Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Sunday 10 Sep 2023 until 23:59 on Monday 11 Sep 2023

Forecast Issued on Sunday 10 Sep 2023 at 03:48

Confidence: High for a breakdown of the very warm and humid weather, with thunderstorms for some Sunday and Monday, although the exact locations for any thundery downpours remains low. Overall confidence then falls to be low for any rain and cloud detail from late Monday onward, and very low for the onset and details of more unsettled weather Thursday onward.

Headline for Sunday 10 Sep 2023: Very warm and humid with thunderstorms likely in places.

Mountain weather hazards on Sunday 10 Sep 2023

Blizzards
No Likelihood

Gales
No Likelihood

Thunderstorms
High Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
No Likelihood

Heavy persistent rain
Medium Likelihood

Storm force winds
No Likelihood

Poor visibility
Medium Likelihood

Strong sunlight
Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Thundery showers	Thunderstorm	Thunderstorm	Thundery showers	Drizzle
Precipitation probability					
20%	40%	40%	50%	40%	30%

Forecast for Sunday 10 Sep 2023

Weather: Any early mist patches clearing during the morning. Staying dry for a time with some early brightness, but soon turning cloudy, with an increasing chance of heavy showers and thunderstorms spreading in as a swathe from the south. These have the potential to bring torrential rain, large hail and frequent lightning. Showers largely easing away northwards after dark, but staying rather cloudy and damp. Temperatures a little lower than recent days, but still rather warm and humid.

Chance of cloud-free hill tops above 600m: 80%, falling to 20% in the west and 40% in the east after dark.

Low Cloud and visibility: Cloud well above summits for much of the day, but any thunderstorms will give a risk of brief cloud obscuring higher summits, above 600m. More widespread cloud spreading east after dark, obscuring hills above 400m, mainly in the west. Moderate to good visibility at first, with some hazy views of distant hills possible, once any early mist clears. Views becoming poor to very poor in heavy rain or hail during any thundery downpours.

Check our weather forecast every day to get the most accurate and up to date information
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Mountain Weather Forecast

Forecast for Sunday 10 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/7 E	6/8 E	7/12 E	8/11 SE	11/16 S	13/18 SW	15/22 SW
300	3/5 NE	4/7 SE	6/12 SE	5/11 SE	5/13 S	8/17 SW	9/20 SW
Valley	3/6 E	3/7 E	5/10 SE	4/12 SE	4/12 SE	6/14 SW	8/18 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/18	19/18	19/19	19/19	17/16	16/14	15/13
300	17/17	22/22	22/22	21/22	19/20	18/17	17/16
Valley	18/18	22/24	23/24	22/23	20/21	18/19	18/17
Freezing Level*	3300m	3400m	3500m	3500m	3500m	3400m	3200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Conditions have the potential to become very poor in thunderstorms, hail and heavy downpours. Anyone caught on the hills should ensure they have clear descent plans and knowledge of what to do when caught in one.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Sun 10 Sep 2023	0.2mm	0.2mm	0.4mm

Forecast for Monday 11 Sep 2023

Weather: Outbreaks of thundery rain remain possible, mainly Monday morning, before clearing east with less warm and fresher weather following. Brighter spells for a time, perhaps some sunshine, before a further band of showery rain spreads east later in the day, most likely after dark.

Maximum wind: Southwesterly 15-20mph.

Chance of cloud-free hill tops above 600m: 20% at first, improving to 70% by the afternoon, falling to 40% after dark.

Low Cloud and visibility: Areas of cloud at 500m during the morning, with some patches down to 300m in the far west. Cloud breaking and clearing from most hills during the afternoon, but still isolated patches obscuring tops above 700m. Further cloud returning to 500m during the evening. Poor visibility in any early thundery rain. Improving to give good to views during the afternoon.

Temperature: **Valleys:** Plus 14 Celsius rising to Plus 21 Celsius.
At 600m: Plus 15 Celsius.
Freezing level: Above summits.

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